

#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY.'S DOCKET: BEN-DAVID=1

In re Application of:)	Art Unit: 2171
Shoham BEN-DAVID)	Examiner:
Appln. No.: 10/042,294)	Confirmation No. 7767
Filed: January 11, 2002)	Washington, D.C.
For: GENERATION OF PARTIAL)	April 10, 2002
TRACES IN MODEL CHECKING)	

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INFORMATION DISCLOSURE STATEMENT [IDS] APR 12 2002

Technology Center 2100

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir :

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above- identified application, and any other application relying on the filing date of the above-identified application or cross- referencing it as a related application.

1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed within three months of the filing date of the above-identified national application.

2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., Form PTO/SB/08A) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached.

3. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

4. Other information being provided for the examiner's consideration follows:

Pursuant to 37 C.F.R. §1.78, Applicant notes that the above-identified patent application may be related to the following U.S. Patent Applications:

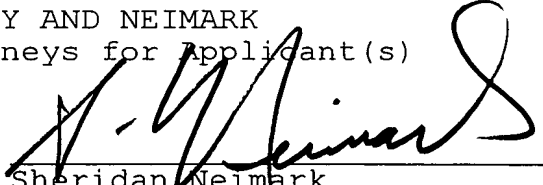
- (1) U.S. Patent Application Serial Number 09/367,720, entitled: "Target Design Model Behavior Explorer", filed July 29, 1999
- (2) U.S. Provisional Patent Application Serial Number 60/261,550, entitled: "PathFinder: Design Exploration Through Model Checking", filed January 12, 2001

5. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of

1

Complete if Known

Application Number	10/042,294
Filing Date	January 11, 2002
First Named Inventor	Shoham BEN-DAVID
Group Art Unit	2171
Examiner Name	
Attorney Docket Number	BEN-DAVID=1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AA	E. CLARKE Jr. et al., "Model Checking", Chapter 1, MIT Press, 1999, pp. 4-6	
	AB	K. McMILLAN, <u>Symbolic Model Checking</u> , Kluwer Academic Publishers, Chapter 2, pp. 11-12, 1993, Norwell, Massachusetts	
	AC	E.M. CLARKE et al., "Efficient Generation of Counterexamples and Witnesses in Symbolic Model Checking", 32 nd Design Automation Conference, 1995, pp. 427-432	
	AD	Ilan BEER et al., "Rule Base: An Industry-Oriented Formal Verification Tool", Proceedings of the Design Automation Conference DAC'96, Las Vegas, Nevada, 1996	
	AE	Ilan BEER et al., "On-The-Fly Model Checking of RCTL Formulas", Proceedings of the Tenth International Conference on Computer Aided Verification (CAV 1998)	
	AF	Ilan BEER et al., "The Temporal Logic Sugar", Proceedings of the Thirteenth International Conference on Computer Aided Verification (CAV 2001)	
	AG	Randal E. BRYANT, "Graph-Based Algorithms for Boolean Function Manipulation", IEEE Transactions on Computers C-35:8, 1986	
	AH	U.S. Patent Application Serial Number 09/367,720, entitled: "Target Design Model Behavior Explorer", filed July 29, 1999	
	AI	U.S. Provisional Patent Application Serial Number 60/261,550, entitled: "PathFinder: Design Exploration Through Model Checking", filed January 12, 2001	

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SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.